

Patent Claims:

1. A method for the generation of forgery-proof documents or data records,
5 whereby key information is generated and whereby encrypted checking
information is formed from the key information and from a transaction
indicator, c h a r a c t e r i z e d i n t h a t
the generation of the random key information and the formation of the
encrypted checking information from the key information and from the
10 transaction indicator are carried out in a cryptographically reliable contact
station, in that the cryptographically reliable contact station encrypts the key
information, and in that the encrypted checking information and the encrypted
key information are transmitted by the cryptographically reliable contact
station to an intermediate station, in that the intermediate station temporarily
15 stores the encrypted key information and the encrypted checking information
and transmits it to a cryptographic module of a document producer later on, at
a different point in time from the transfer between the cryptographically
reliable contact station and the intermediate station.
- 20 2. The method according to Claim 1, c h a r a c t e r i z e d i n t h a t
the key information is generated in such a way that the key information is
formed randomly.
3. The method according to one or more of the preceding claims,
25 c h a r a c t e r i z e d i n t h a t
the encrypted key information and/or the encrypted checking information is
configured in such a way that it cannot be decrypted in the intermediate
station.
- 30 4. The method according to one or more of the preceding claims,
c h a r a c t e r i z e d i n t h a t
the cryptographic module preferably decrypts the key information with a key
contained in the cryptographic module.

5. The method according to one or more of the preceding claims,
c h a r a c t e r i z e d i n t h a t
the document producer enters his own data into the cryptographic module.
- 5 6. The method according to one or more of the preceding claims,
c h a r a c t e r i z e d i n t h a t
the data entered by the document producer is irreversibly linked to the key
information by means of the cryptographic module.
- 10 7. The method according to Claim 6, c h a r a c t e r i z e d i n t h a t
the data entered by the document producer and the decrypted key information
are irreversibly linked in that the key information is used to form a check
value for the document.
- 15 8. The method according to one or both of Claims 6 or 7, c h a r a c t e r i z e d
i n t h a t
the result of the irreversible linking of the data entered by the document pro-
ducer with the decrypted key information forms a document and/or a data
record that is transmitted to a checking station
- 20 9. The method according to Claim 8, c h a r a c t e r i z e d i n t h a t
the document transmitted to the checking station contains the document pro-
ducer's own data, at least partially in plain text.
- 25 10. The method according to one or both of Claims 8 or 9, c h a r a c t e r i z e d
i n t h a t
the encrypted checking information is entered into the document that is
transmitted to the checking station.
- 30 11. The method according to one or more of the preceding claims,
c h a r a c t e r i z e d i n t h a t
information remaining in the cryptographic module is encrypted in such a way
that it can be decrypted in the cryptographic module.

12. The method according to one or more of the preceding claims,
c h a r a c t e r i z e d i n t h a t
the supply of the cryptographic module with the information, also in case of a
supply via communication partners that are not reliable in the cryptographic
5 sense, is carried out by a cryptographically reliable station whose information
can be relied on by the checking station.
13. The method according to Claim 12, c h a r a c t e r i z e d i n t h a t,
in order for a reliable station to provide reliable information for the crypto-
10 graphic module, cryptographic encryptions are used that the checking station
can reverse.
14. The method according to one or more of Claims ... to 13,
c h a r a c t e r i z e d i n t h a t
15 the supply of the cryptographic module via communication partners that are
cryptographically non-reliable is carried out in such a way that the information
is forwarded to the cryptographic module at a different point in time.
15. The method according to one or more of Claims 1 to 14, c h a r a c t e r i z e d
20 i n t h a t
the supply of the cryptographic module via communication partners that are
cryptographically not reliable is carried out in such a way that an exchange of
information within a dialog is not necessary.
- 25 16. The method according to one or more of Claims 1 to 14, c h a r a c t e r i z e d
i n t h a t
the two types of data are cryptographically linked to each other, but cannot be
discovered by means of crypto-analysis.
- 30 17. The method according to Claim 19, c h a r a c t e r i z e d i n t h a t
the cryptographic linking of the two types of data is such that non-linear frac-
tions are added that are known only to the reliable contact station and to the
checking station.

18. The method according to one or more of the preceding claims,
characterized in that
the generated forgery-proof documents or data records contain monetary value
information.
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19. The method according to Claim 18, characterized in that
the monetary value information is cryptographically connected to the
document or data record in such a way that a check value can be formed by
comparing the monetary value information to the document or data record.
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20. The method according to one or both of Claims 18 or 19,
characterized in that
the monetary value information contains proof of the payment of postage
amounts.
- 15
21. The method according to Claim 20, characterized in that
the monetary value information that proves the payment of postage amounts is
linked to identification data of the document producer.
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22. The method according to one or both of Claims 20 or 21,
characterized in that
the monetary value information is linked to address data.
23. A value transfer center with an interface for loading monetary values,
characterized in that
the value transfer center contains an interface to receive encrypted information
of a cryptographically reliable contact station and to temporarily store the
received encrypted information.
- 25
24. The value transfer center according to Claim 23, characterized in
that
the information is encrypted in such a way that it cannot be decrypted in the
value transfer center.
- 30

25. The value transfer center according to one or more of Claims 23 to 24,
c h a r a c t e r i z e d i n t h a t
it contains means for receiving value transfer requests by at least one crypto-
graphic module and for forwarding the received encrypted information at a
5 different point in time.
26. A cryptographic module for generating forgery-proof documents with means
to issue encrypted checking information and a check value,
c h a r a c t e r i z e d i n t h a t the cryptographic module contains at least
10 one means for receiving and decrypting key information and at least one
means for receiving a document or a data record, and in that the cryptographic
module has at least one means to form a check value for the document or for
the data record using the key information.